

MIGRAINE HEADACHE TREATMENT APPARATUS**Patent number:** EP1307260**Publication date:** 2003-05-07**Inventor:** FISCHHELL ROBERT E (US); FISCHHELL DAVID R (US);
UPTON ADRIAN R M (CA)**Applicant:** NEUROPACE INC (US)**Classification:****- international:** **A61N2/02; A61N2/00;** (IPC1-7): A61N2/02**- european:** A61N2/02**Application number:** EP20010959350 20010731**Priority number(s):** WO2001US23958 20010731; US20000629210
20000731**Also published as:**

WO0209811 (A1)

US6402678 (B1)

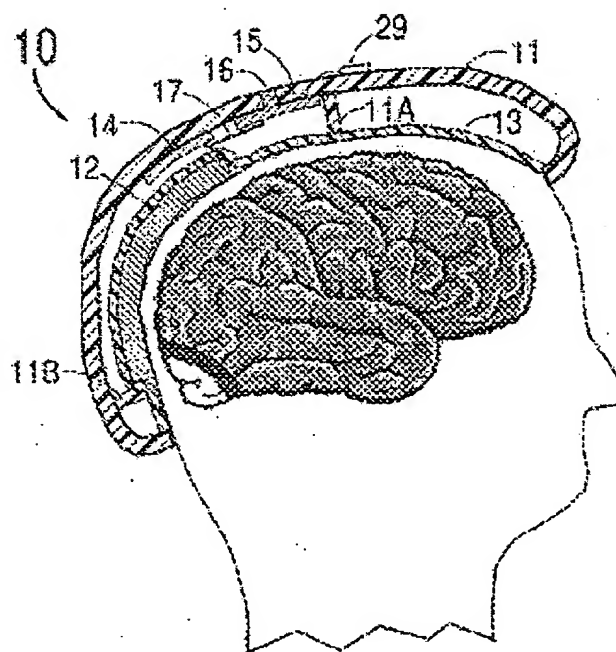
CA2423840 (A1)

Report a data error here

Abstract not available for EP1307260

Abstract of correspondent: **US6402678**

Disclosed is a means and method for the treatment of migraine headaches. Patients who have migraine headaches typically have a band of excited brain neurons that are a precursor of the headache. By placing an intense alternating magnetic field onto a certain region of the brain, an electrical current can be generated in the cerebral cortex that can depolarize these excited brain neurons. This procedure can stop a migraine headache in some patients or at least decrease its severity. The device to perform this function can be called a "magnetic depolarizer". The magnetic depolarizer can be placed in some headgear such as a bicycle helmet in order to place the magnetic field at the correct location relative to the patient's cerebral cortex. This technique can be particularly valuable for patients who have a perceptible aura that occurs prior to the onset of a migraine headache. A visual aura caused by the progression of an excited band of neurons in a patient's occipital lobe, which aura occurs 20 to 30 minutes prior to the onset of head pain, would be particularly well treated by means of the magnetic depolarizer.



Data supplied from the esp@cenet database - Worldwide